COOL-CAP
M-100 WHITE COAT
PRODUCT DATA SHEET

GENERAL DESCRIPTION
Cool-Cap M-100 White Coat is a reflective, white, water-based, elastomeric 100% acrylic, co-polymer resin coating.

BASIC USE
Cool-Cap M-100 White Coat is to be used as the reflective top coat over Cool-Cap M-700 Base Coat when installing the Cool Cap White Coat over Hydrocap 160 cap sheet or Flex-Flash MB flashing. M-100 White Coat is formulated to promote the highest degree of adhesion and water resistance. M-100 can also be used as a reflective coating for Hydrotech's Hydroguard insulation panels and Ballast Pavers.

ADVANTAGES
-E.P.A. Energy Star qualified/listed, CRRC qualified/listed, and positioned for L.E.E.D. Accreditation
-High Reflectance Decreases the Roof Temperature Assisting in Mitigation of the Urban Heat Island Effect

LIMITATIONS
-Do not apply if rain is expected within twenty-four (24) hours of application or in high humidity or heavy fog.
-Do not apply if ambient or surface temperatures will be <50°F or >120°F before curing is complete.
-Ensure a minimum of 4 hours of daylight remains after application to allow for proper curing.
-KEEP MATERIAL FROM FREEZING !

INSTALLATION
-The properly primed (M-700 Base Coat) Hydrocap 160 or Flex-Flash MB surfaces to be coated must be clean and free of dust, dirt, oil, grease, algae, fungi, mildew or any foreign matter, which will prevent or inhibit proper coating adhesion. Base coat is not required for Hydroguard or paver applications.
-Stir material well prior to application and apply M-100 White Coat evenly at a rate of 1.25 gallons per 100 square feet with 3/4" nap roller, brushes or spray (2,000-3,000 psi, 1-2 gal/min airless sprayer w/.027-.039" wide-fan tip 3/8"-1/2" inside diam. hose). For Hydroguard and paver applications, 2 coats of M-100 at 1 gallon per 100 square feet must be applied.
-Allow to dry and inspect for flaws, pin holes, voids and insufficient coverage and recoat as necessary.

PACKAGING
M-100 White Coat is available in 5 gallon pails and 55 gallon drums.

TECHNICAL SPECIFICATIONS

PROPERTY	TEST METHOD	RESULT
SOLAR REFLECTANCE – Initial (%, typ)	ASTM C1549	>.80
SOLAR REFLECTANCE – 3 year aged (typ)	ASTM C1549	.70
EMITTANCE –Initial (typ)	ASTM C1371 ASTM E408	>0.80 >0.90
SOLAR REFECTANCE INDEX (SRI)	ASTM E 1980	108
VISCOSITY @ 73 F	ASTM D652	105-115
SOLIDS BY VOLUME (%)	ASTM D2697	>50
VOC (grams/liter)		<50
DRY TIME: to touch to recoat		1-2 hours 16-24 hours

MAINTENANCE AND SOLAR REFLECTIVITY Excess dirt, dust and other foreign material may build up on the coated surfaces and, along with normal aging and weathering, reduce solar reflectance. The coated surfaces may be cleaned with a water and mild detergent solution by hand or low-pressure spray equipment. Rinse thoroughly. It is recommended that the coated surfaces be cleaned every two to three years to maximize and maintain the solar reflectance values.

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